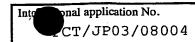
A. CLASS	IFICATION OF SUBJECT MATTER C1 ⁷ H04B1/16, H04H5/00			
	o International Patent Classification (IPC) or to both nati	ional classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols)				
Int.	Cl ⁷ H04B1/16, H04H5/00			
Jitsu Kokai	ion searched other than minimum documentation to the algorithm Scho 1922–1996 L. Jitsuyo Shinan Koho 1971–2003	Jitsuyo Shinan Toroku Koh	1996–2003	
Electronic d	ata base consulted during the international search (name	of data base and, where practicable, sea	con terms used)	
C. DOCU	MENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app		Relevant to claim No.	
Y	GmbH.), 25 August, 1998 (25.08.98), Full text; Figs. 1 to 5	Microelectronics	1-9	
Y A	JP 6-6277 A (Clarion Co., Ltd.), 14 January, 1994 (14.01.94), Claim 5; Par. Nos. [0046] to [0054]; Fig. 12 (Family: none)		1-6 7-9	
× Furti	ner documents are listed in the continuation of Box C.	See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family		
special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed				
Date of the	actual completion of the international search September, 2003 (29.09.03)	Date of mailing of the international sea 14 October, 2003 (rich report 14.10.03)	
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile No.		Telephone No.		





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Category*	Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No		
Y	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 74455/1982 (Laid-open No. 176445/1983) (Sanyo Electric Co., Ltd.), 25 November, 1983 (25.11.83), Full text; Figs. 1, 2 (Family: none)	7-9	
A	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 53854/1990(Laid-open No. 12725/1992) (Alpine Electronics, Inc.), 31 January, 1992 (31.01.92), Full text; Figs. 1 to 5 (Family: none)	1-9	
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